Steps to enable TDE

1. mkdir $ORACLE\_BASE/admin/orclcdb/wallet/tde
2. sqlplus / as sysdba
3. show con\_name
   1. should be either orclcdb or cdb$root
4. alter system set wallet\_root=’$ORACLE\_BASE/admin/orclcdb/wallet/tde’ scope=spfile;
5. restart the database
6. shutdown immediate
7. startup
8. alter system set tde\_configuration=”keystore\_configuration=file”;
9. Create the keystore at the rootdesc
   1. administer key management create keystore identified by “fenago”
10. Open the wallet
    1. Administer key management set keystore open identified by “fenago” container=all;
11. Create auto login at the root
    1. administer key management create auto\_login keystore from keystore identified by “fenago”
12. Create the master key at the root
    1. Administer key management set key identified by “fenago” with backup;
13. Create the master key in each pluggable
14. Alter session set container=<con\_name>
    1. Administer key management set key identified by “fenago” with backup;
15. To close the wallet
    1. Administer key management set keystore close;
16. Query the encryption wallet table
    1. Select \* from v$encryption\_wallet;
17. Note
    1. Sometimes closing a auto login wallet it will not close
    2. Solution
       1. Move the sso file to another file name
       2. Close the auto login
       3. administer key management set keystore close container=all;
       4. Reopen the password wallet
       5. administer key management set keystore open identified by "fenago" container=all;